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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N
10/657,672	09/04/2003	Sehat Sutardja	MP0229	1776
23624	7590 01/12/2005		EXAMINER	
	SEMICONDUCTOR	•	VU, BA	AO Q
	TUAL PROPERTY DEP AVENUE, MS# 509	AKIMENI	ART UNIT	PAPER NUMBER
	LE, CA 94089		2838	

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			-3h
	Application No.	Applicant(s)	
	10/657,672	SUTARDJA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Bao Q. Vu	2838	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the c	correspondence addre	9SS
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR of after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a recommunication of the period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be tinely within the statutory minimum of thirty (30) day and will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this comm ED (35 U.S.C. § 133).	nunicati <b>on</b> .
Status			
1) Responsive to communication(s) filed on			
·_ ·	nis action is non-final.		
3) Since this application is in condition for allow		osecution as to the m	erits is
closed in accordance with the practice under	r <i>Ex parte Quayl</i> e, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-104 is/are pending in the applicat	tion.	•	
4a) Of the above claim(s) is/are withdo	rawn from consideration.		
5) Claim(s) is/are allowed.			
<ul> <li>6)⊠ Claim(s) <u>1-104</u> is/are rejected.</li> <li>7)□ Claim(s) is/are objected to.</li> </ul>			
8) Claim(s) are subject to restriction and	l/or election requirement		
Application Papers  9) The specification is objected to by the Exami	nor		
10) The drawing(s) filed on is/are: a) a	<u> </u>	Examiner	-
Applicant may not request that any objection to the		•	
Replacement drawing sheet(s) including the corre			1.121(d).
11) The oath or declaration is objected to by the	Examiner. Note the attached Office	e Action or form PTO-	152.
Priority under 35 U.S.C. § 119			
12)☐ Acknowledgment is made of a claim for foreignal a)☐ All b)☐ Some * c)☐ None of:	gn priority under 35 U.S.C. § 119(a	ı)-(d) or (f).	
1.☐ Certified copies of the priority docume	ents have been received.		
2. Certified copies of the priority docume		tion No	
3. Copies of the certified copies of the pr	• •		age
application from the International Bure	eau (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a li	st of the certified copies not receive	ed.	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D		
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0	8) 5) Notice of Informal F	Patent Application (PTO-15	52)
Paper No(s)/Mail Date	6)		

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 62-104 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Woodward (USP 5,852,557). Woodward (see figure 5 and 6) discloses a control system for controlling a multiphase output regulator (column 4, lines 1-30) that controls a one of the leading edges and the trailing edges of the drive signals to dynamically set the phase interval between each of the output phases.
  - (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-61 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Lethellier (USP 6,703,812). Lethellier discloses a control system that has two switch arrays (12 and14) and (22 and 24) with digital controller (34 and 36) to determine a quantity of output phases to generate drive signals to control each of the switch arrays to generate the output phases.

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## **Conclusion**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Vu whose telephone number is (571) 272-2088. The examiner can normally be reached on Monday-Fridays, 8:00AM- 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Sherry can be reached on (571) 272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bao Q. Vu

Primary Examiner Art Unit 2838

January 7, 2005